

Datasheet: MCA3518Z

Description:	MOUSE ANTI HUMAN TUBULIN ALPHA 4A CHAIN:Preservative Free
Specificity:	TUBULIN ALPHA 4A CHAIN
Other names:	TUBA4A
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	2E11
Isotype:	IgG2b
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin (1)	■			0.1 - 10 ug/ml
ELISA			■	
Immunoprecipitation			■	
Western Blotting	■			
Immunofluorescence (2)	■			0.1 - 10 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

(2) This product requires fixation of cells for 15 minutes. 4 % paraformaldehyde solution (NaOH in PBS) pH 7.4 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Recombinant protein with a GST tag corresponding to amino acids 1 - 449 of human TUBA4A.
External Database Links	<p>UniProt: P68366 Related reagents</p> <p>Entrez Gene: 7277 TUBA4A Related reagents</p>
Synonyms	TUBA1
Fusion Partners	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
Specificity	<p>Mouse anti Human Tubulin Alpha 4A chain antibody, clone 2E11 recognizes human tubulin alpha 4A chain, also known as TUBA4A or TUBA1</p> <p>The most common members of the tubulin family are α-tubulin and β-tubulin, the proteins that make up microtubules. To form microtubules, the dimers of α- and β-tubulin bind to GTP and assemble onto the ends of microtubules while in the GTP-bound state. After being incorporated into the microtubule, the bound molecule of GTP will hydrolyse into GDP.</p> <p>TUBA4A is a subtype of human α-tubulin.</p>
Western Blotting	MCA3518Z has been tested on a range of cell lines including HeLa and Jurkat where a band of approximately 50 kDa is detected.
Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Shelf Life	18 months from date of despatch.
Health And Safety Information	<p>Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10162 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@549](#),
[DyLight@649](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Human Anti Mouse IgG2b (HCA038...)	FITC , HRP

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL:Preservative Free \(MCA691XZ\)](#)

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